

ANASTOMOSIS DEVICE AND METHOD**ABSTRACT OF THE DISCLOSURE**

5 An anastomosis device for use in coupling an end of a graft vessel to a side of a
target vessel. The target vessel has an opening formed in a side wall thereof for insertion
of the device. The device comprises a tubular member, at least a portion thereof being
radially compressible to a compressed state for insertion of the tubular member into the
opening in the target vessel and expandable from the compressed state to an expanded
10 state for engagement of an inner graft vessel surface with an inner surface of the target
vessel after insertion of the tubular member into the opening in the side wall of the target
vessel. The compressible portion of the tubular member has an inner surface and an outer
surface defining a wall thickness therebetween. The wall thickness of the compressible
portion in its compressed state is less than the wall thickness of the compressible portion
15 in its expanded state.